

Title (en)  
SYSTEM AND METHODS FOR EXECUTION OF RECOVERY ACTIONS ON AN UNMANNED AERIAL VEHICLE

Title (de)  
SYSTEM UND VERFAHREN ZUR AUSFÜHRUNG VON WIEDERHERSTELLUNGSAKTIONEN IN EINEM UNBEMANNTEN LUFTFAHRZEUG

Title (fr)  
SYSTÈME ET PROCÉDÉS D'EXÉCUTION D'ACTIONS DE RÉCUPÉRATION SUR UN VÉHICULE AÉRIEN SANS PILOTE

Publication  
**EP 3060479 A2 20160831 (EN)**

Application  
**EP 14878635 A 20141021**

Priority  
• US 201361893736 P 20131021  
• US 2014061626 W 20141021

Abstract (en)  
[origin: WO2015108586A2] Provided herein are systems and methods for providing reliable control of an unmanned aerial vehicle (UAV). A system for providing reliable control of the UAV can include a computing device that can execute reliable and unreliable programs. The unreliable programs can be isolated from the reliable programs by virtue of executing one or more of the programs in a virtual machine client. The UAV can initiate a recovery action when one or more of the unreliable programs fail. The recovery action can be performed without input from one or more of the unreliable programs.

IPC 8 full level  
**B64D 45/00** (2006.01); **B64C 39/02** (2006.01); **G05B 19/00** (2006.01); **G05B 19/02** (2006.01)

CPC (source: EP US)  
**B64U 70/95** (2023.01 - EP US); **G05B 23/0286** (2013.01 - EP US); **G05D 1/0088** (2024.01 - EP US); **B64U 30/20** (2023.01 - EP US); **B64U 50/19** (2023.01 - EP US); **B64U 50/37** (2023.01 - EP US); **B64U 2101/30** (2023.01 - US); **B64U 2201/104** (2023.01 - EP US); **B64U 2201/20** (2023.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2015108586 A2 20150723**; **WO 2015108586 A3 20150917**; CA 3003712 A1 20161027; EP 3060479 A2 20160831; EP 3060479 A4 20170517; US 10745127 B2 20200818; US 2015225081 A1 20150813; US 2018229842 A1 20180816; US 9938008 B2 20180410

DOCDB simple family (application)  
**US 2014061626 W 20141021**; CA 3003712 A 20160420; EP 14878635 A 20141021; US 201514693734 A 20150422; US 201815949857 A 20180410